

Power line filters for single-phase systems
Rated voltage 250 V~, 50/60 Hz
Rated current 0,5 to 4 A

Construction

- Plastic case
- Filter comprises I core double choke and broadband multiple-section capacitor

Features

- High insertion loss

Applications

- Industrial equipment and small-size systems

Terminals

- Safe-to-touch terminal blocks

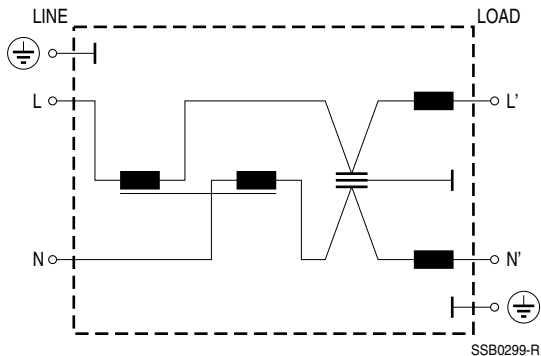
Marking

Marking on component:
 Manufacturer's logo, ordering code,
 rated voltage, rated current,
 date code

Minimum marking on packaging:
 Manufacturer's logo, ordering code



Circuit diagram



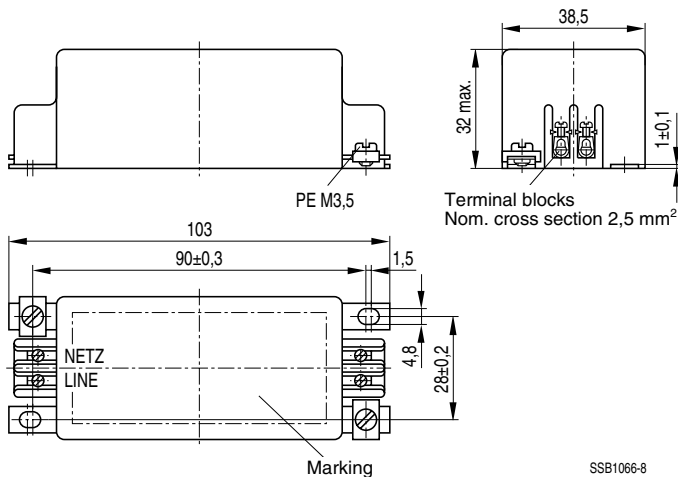
Technical data

Rated voltage V_R	250 V~, 50/60 Hz
Rated current I_R	Referred to 40 °C ambient temperature
Test voltage V_P	1650 V~, 2 s, (line/line) 2700 V~, 2 s, (lines/ground)
Leakage current I_{leak}	at 230 V~, 50 Hz
Climatic category	In accordance with EN 60068-1 25/085/21 (– 25 °C/+ 85 °C/21 days damp heat test)
Weight	approx. 250 g

Characteristics and ordering codes

I_R A	C_R	L_R	I_{leak} mA	Ordering code	Approvals 
0,5	0,1 µF (X1)	$2 \times 13,5$ mH, 2×14 µH	< 0,5	B84102-C20	×
1	+	$2 \times 3,1$ mH, 2×8 µH	< 0,5	B84102-C30	×
2	2×2500 pF (Y2)	$2 \times 1,1$ mH, 2×2 µH	< 0,5	B84102-C40	×
4		2×220 µH, 2×1 µH	< 0,5	B84102-C50	×

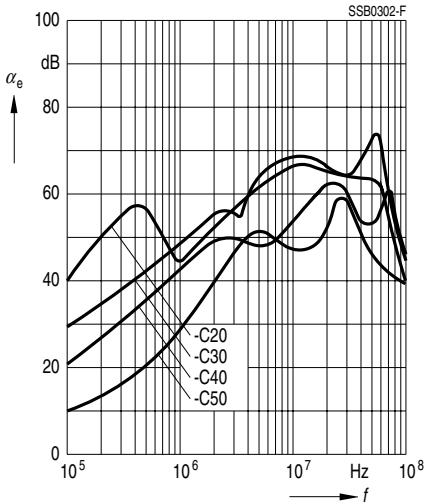
× = approval granted

Dimensional drawing


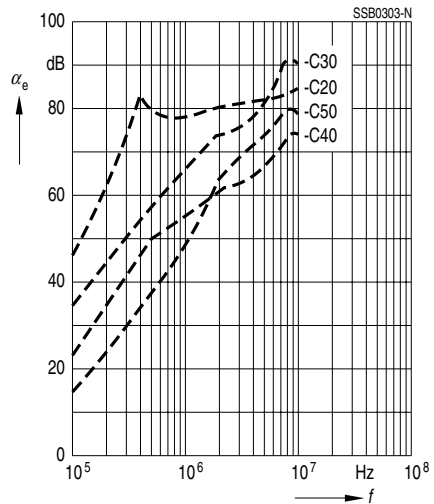
Insertion loss (typical values at $Z = 50 \Omega$)

———— unsymmetrical, adjacent branches terminated
 - - - - - differential mode (symmetrical)

B84102-C20 ... -C50



B84102-C20 ... -C50



Herausgegeben von EPCOS AG

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This brochure replaces the previous edition.

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